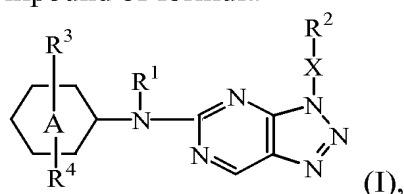


This listing of claims will replace all prior versions, and listings, of claims in the application.

**Listing of Claims:**

1. (Previously Presented) A compound of formula



a pharmaceutically acceptable addition salt, a quaternary amine or a stereochemically isomeric form thereof, wherein

ring A represents phenyl;

$R^1$  represents hydrogen; aryl; formyl;  $C_{1-6}$ alkylcarbonyl;  $C_{1-6}$ alkyl;  $C_{1-6}$ alkyloxycarbonyl;  $C_{1-6}$ alkyl substituted with formyl,  $C_{1-6}$ alkylcarbonyl,  $C_{1-6}$ alkyloxycarbonyl,  $C_{1-6}$ alkylcarbonyloxy; or  $C_{1-6}$ alkyloxy $C_{1-6}$ alkylcarbonyl optionally substituted with  $C_{1-6}$ alkyloxycarbonyl;

X represents a direct bond;  $-(CH_2)_{n3}-$  or  $-(CH_2)_{n4}-X_{1a}-X_{1b}-$ ;

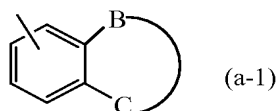
with  $n_3$  representing an integer with value 1, 2, 3 or 4;

with  $n_4$  representing an integer with value 1 or 2;

with  $X_{1a}$  representing O,  $C(=O)$  or  $NR^5$ ; and

with  $X_{1b}$  representing a direct bond or  $C_{1-2}$ alkyl;

$R^2$  represents  $C_{3-7}$ cycloalkyl; phenyl; a 4, 5, 6- or 7-membered monocyclic heterocycle containing at least one heteroatom selected from O, S or N; benzoxazolyl or a radical of formula



wherein  $-B-C-$  represents a bivalent radical of formula

$-CH_2-CH_2-CH_2-$  (b-1);

$-CH_2-CH_2-CH_2-CH_2-$  (b-2);

$-X_1-CH_2-CH_2-(CH_2)_n-$  (b-3);

$-X_1-CH_2-(CH_2)_n-X_1-$  (b-4);

$-X_1-(CH_2)_{n'}-CH=CH-$  (b-5);

$-CH=N-X_1-$  (b-6);

with  $X_1$  representing O or  $NR^5$ ;

$n$  representing an integer with value 0, 1, 2 or 3;

$n'$  representing an integer with value 0 or 1;

wherein said R<sup>2</sup> substituent, where possible, may optionally be substituted with at least one substituent selected from halo; hydroxy; C<sub>1-6</sub>alkyl optionally substituted with at least one substituent selected from hydroxy, cyano, carboxyl, C<sub>1-4</sub>alkyloxy, C<sub>1-4</sub>alkyloxyC<sub>1-4</sub>alkyloxy, C<sub>1-4</sub>alkylcarbonyl, C<sub>1-4</sub>alkyloxycarbonyl, C<sub>1-4</sub>alkylcarbonyloxy, NR<sup>6</sup>R<sup>7</sup>, -C(=O)-NR<sup>6</sup>R<sup>7</sup>, -NR<sup>5</sup>-C(=O)-NR<sup>6</sup>R<sup>7</sup>, -S(=O)<sub>n1</sub>-R<sup>8</sup> or -NR<sup>5</sup>-S(=O)<sub>n1</sub>-R<sup>8</sup>; C<sub>2-6</sub>alkenyl or C<sub>2-6</sub>alkynyl, each optionally substituted with at least one substituent selected from hydroxy, cyano, carboxyl, C<sub>1-4</sub>alkyloxy, C<sub>1-4</sub>alkylcarbonyl, C<sub>1-4</sub>alkyloxycarbonyl, C<sub>1-4</sub>alkylcarbonyloxy, NR<sup>6</sup>R<sup>7</sup>, -C(=O)-NR<sup>6</sup>R<sup>7</sup>, -NR<sup>5</sup>-C(=O)-NR<sup>6</sup>R<sup>7</sup>, -S(=O)<sub>n1</sub>-R<sup>8</sup> or -NR<sup>5</sup>-S(=O)<sub>n1</sub>-R<sup>8</sup>; polyhalo-C<sub>1-6</sub>alkyl optionally substituted with at least one substituent selected from hydroxy, cyano, carboxyl, C<sub>1-4</sub>alkyloxy, C<sub>1-4</sub>alkyloxyC<sub>1-4</sub>alkyloxy, C<sub>1-4</sub>alkylcarbonyl, C<sub>1-4</sub>alkyloxycarbonyl, C<sub>1-4</sub>alkylcarbonyloxy, NR<sup>6</sup>R<sup>7</sup>, -C(=O)-NR<sup>6</sup>R<sup>7</sup>, -NR<sup>5</sup>-C(=O)-NR<sup>6</sup>R<sup>7</sup>, -S(=O)<sub>n1</sub>-R<sup>8</sup> or -NR<sup>5</sup>-S(=O)<sub>n1</sub>-R<sup>8</sup>; C<sub>1-6</sub>alkyloxy optionally substituted with at least one substituent selected from hydroxy, cyano, carboxyl, C<sub>1-4</sub>alkyloxy, C<sub>1-4</sub>alkylcarbonyl, C<sub>1-4</sub>alkyl-oxycarbonyl, C<sub>1-4</sub>alkylcarbonyloxy, NR<sup>6</sup>R<sup>7</sup>, -C(=O)-NR<sup>6</sup>R<sup>7</sup>, -NR<sup>5</sup>-C(=O)-NR<sup>6</sup>R<sup>7</sup>, -S(=O)<sub>n1</sub>-R<sup>8</sup> or -NR<sup>5</sup>-S(=O)<sub>n1</sub>-R<sup>8</sup>; polyhaloC<sub>1-6</sub>alkyloxy optionally substituted with at least one substituent selected from hydroxy, cyano, carboxyl, C<sub>1-4</sub>alkyloxy, C<sub>1-4</sub>alkyloxyC<sub>1-4</sub>alkyloxy, C<sub>1-4</sub>alkylcarbonyl, C<sub>1-4</sub>alkyloxycarbonyl, C<sub>1-4</sub>alkylcarbonyloxy, NR<sup>6</sup>R<sup>7</sup>, -C(=O)-NR<sup>6</sup>R<sup>7</sup>, -NR<sup>5</sup>-C(=O)-NR<sup>6</sup>R<sup>7</sup>, -S(=O)<sub>n1</sub>-R<sup>8</sup> or -NR<sup>5</sup>-S(=O)<sub>n1</sub>-R<sup>8</sup>; C<sub>1-6</sub>alkylthio; polyhaloC<sub>1-6</sub>alkylthio; C<sub>1-6</sub>alkyloxycarbonyl; C<sub>1-6</sub>alkylcarbonyloxy; C<sub>1-6</sub>alkylcarbonyl; polyhaloC<sub>1-6</sub>alkylcarbonyl; cyano; carboxyl; NR<sup>6</sup>R<sup>7</sup>; C(=O)NR<sup>6</sup>R<sup>7</sup>; -NR<sup>5</sup>-C(=O)-NR<sup>6</sup>R<sup>7</sup>; -NR<sup>5</sup>-C(=O)-R<sup>5</sup>; -S(=O)<sub>n1</sub>-R<sup>8</sup>; -NR<sup>5</sup>-S(=O)<sub>n1</sub>-R<sup>8</sup>; -S-CN; -NR<sup>5</sup>-CN; aryloxy; arylthio; arylcarbonyl; arylC<sub>1-4</sub>alkyl; arylC<sub>1-4</sub>alkyloxy; a 5- or 6-membered monocyclic heterocycle containing at least one heteroatom selected from O, S or N and said 5- or 6-membered monocyclic heterocycle optionally being substituted with at least

one substituent selected from R<sup>9</sup>; or  $-(CH_2)_{n2}-X_2-(CH_2)_{n2}-N \begin{array}{c} \diagup \diagdown \\ \diagdown \diagup \end{array} X_3$ ;

with n<sub>2</sub> representing an integer with value 0, 1, 2, 3 or 4;

with X<sub>2</sub> representing O, NR<sup>5</sup> or a direct bond;

with X<sub>3</sub> representing O, CH<sub>2</sub>, CHOH, CH-N(R<sup>5</sup>)<sub>2</sub>, NR<sup>5</sup> or N-C(=O)-C<sub>1-4</sub>alkyl;

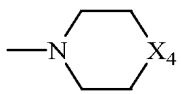
R<sup>3</sup> represents halo; hydroxy; C<sub>1-6</sub>alkyl optionally substituted with at least one substituent selected from hydroxy, cyano, carboxyl, C<sub>1-4</sub>alkyloxy, C<sub>1-4</sub>alkyloxy-C<sub>1-4</sub>alkyloxy, C<sub>1-4</sub>alkylcarbonyl, C<sub>1-4</sub>alkyloxycarbonyl, C<sub>1-4</sub>alkylcarbonyloxy, NR<sup>6</sup>R<sup>7b</sup>, -

$C(=O)-NR^{6b}R^{7b}$ ,  $-NR^5-C(=O)-NR^{6b}R^{7b}$ ,  $-S(=O)_{n1}-R^{8a}$  or  $-NR^5-S(=O)_{n1}-R^{8a}$ ;  $C_{2-6}$ alkenyl or  $C_{2-6}$ alkynyl, each optionally substituted with at least one substituent selected from hydroxy, cyano, carboxyl,  $C_{1-4}$ alkyloxy,  $C_{1-4}$ alkylcarbonyl,  $C_{1-4}$ alkyloxycarbonyl,  $C_{1-4}$ alkylcarbonyloxy,  $NR^{6b}R^{7b}$ ,  $-C(=O)-NR^{6b}R^{7b}$ ,  $-NR^5-C(=O)-NR^{6b}R^{7b}$ ,  $-S(=O)_{n1}-R^{8a}$  or  $-NR^5-S(=O)_{n1}-R^{8a}$ ; polyhalo $C_{1-6}$ alkyl optionally substituted with at least one substituent selected from hydroxy, cyano, carboxyl,  $C_{1-4}$ alkyloxy,  $C_{1-4}$ alkyloxy- $C_{1-4}$ alkyloxy,  $C_{1-4}$ alkylcarbonyl,  $C_{1-4}$ alkyloxycarbonyl,  $C_{1-4}$ alkylcarbonyloxy,  $NR^{6b}R^{7b}$ ,  $-C(=O)-NR^{6b}R^{7b}$ ,  $-NR^5-C(=O)-NR^{6b}R^{7b}$ ,  $-S(=O)_{n1}-R^{8a}$  or  $-NR^5-S(=O)_{n1}-R^{8a}$ ;  $C_{1-6}$ alkyloxy optionally substituted with one substituent selected from hydroxy, cyano, carboxyl,  $C_{1-4}$ alkyloxy,  $C_{1-4}$ alkylcarbonyl,  $C_{1-4}$ alkyloxy-carbonyl,  $C_{1-4}$ alkylcarbonyloxy,  $NR^{6b}R^{7b}$ ,  $-C(=O)-NR^{6b}R^{7b}$ ,  $-NR^5-C(=O)-NR^{6b}R^{7b}$ ,  $-S(=O)_{n1}-R^{8a}$  or  $-NR^5-S(=O)_{n1}-R^{8a}$ ; polyhalo $C_{1-6}$ alkyloxy optionally substituted with at least one substituent selected from hydroxy, cyano, carboxyl,  $C_{1-4}$ alkyloxy,  $C_{1-4}$ alkyloxy $C_{1-4}$ alkyloxy,  $C_{1-4}$ alkylcarbonyl,  $C_{1-4}$ alkyloxycarbonyl,  $C_{1-4}$ alkylcarbonyloxy,  $NR^{6b}R^{7b}$ ,  $-C(=O)-NR^{6b}R^{7b}$ ,  $-NR^5-C(=O)-NR^{6b}R^{7b}$ ,  $-S(=O)_{n1}-R^{8a}$  or  $-NR^5-S(=O)_{n1}-R^{8a}$ ;  $C_{1-6}$ alkylthio; polyhalo $C_{1-6}$ alkylthio;  $C_{1-6}$ alkyloxycarbonyl;  $C_{1-6}$ alkylcarbonyloxy;  $C_{1-6}$ alkylcarbonyl; polyhalo- $C_{1-6}$ alkylcarbonyl; cyano; carboxyl; aryloxy; arylthio; arylcarbonyl;  $NR^{6b}R^{7b}$ ;  $C(=O)-NR^{6b}R^{7b}$ ;  $-NR^5-C(=O)-NR^{6b}R^{7b}$ ;  $-NR^5-C(=O)-R^5$ ;  $-S(=O)_{n1}-R^{8a}$ ;  $-NR^5-S(=O)_{n1}-R^{8a}$ ;  $-S-CN$ ; or  $-NR^5-CN$ ;

$R^4$  represents hydrogen; halo; hydroxy;  $C_{1-4}$ alkyl optionally substituted with at least one substituent selected from hydroxy, cyano, carboxyl,  $C_{1-4}$ alkyloxy,  $C_{1-4}$ alkylcarbonyl,  $C_{1-4}$ alkyloxycarbonyl,  $C_{1-4}$ alkylcarbonyloxy,  $NR^{10}R^{11}$ ,  $-C(=O)-NR^{10}R^{11}$ ,  $-NR^5-C(=O)-NR^{10}R^{11}$ ,  $-S(=O)_{n1}-R^{12}$  or  $-NR^5-S(=O)_{n1}-R^{12}$ ;  $C_{2-4}$ alkenyl or  $C_{2-4}$ alkynyl, each optionally substituted with at least one substituent selected from hydroxy, cyano, carboxyl,  $C_{1-4}$ alkyloxy,  $C_{1-4}$ alkylcarbonyl,  $C_{1-4}$ alkyloxycarbonyl,  $C_{1-4}$ alkylcarbonyloxy,  $NR^{10}R^{11}$ ,  $-C(=O)-NR^{10}R^{11}$ ,  $-NR^5-C(=O)-NR^{10}R^{11}$ ,  $-S(=O)_{n1}-R^{12}$  or  $-NR^5-S(=O)_{n1}-R^{12}$ ; polyhalo $C_{1-3}$ alkyl;  $C_{1-4}$ alkyloxy optionally substituted with carboxyl; polyhalo $C_{1-3}$ alkyloxy;  $C_{1-4}$ alkylthio; polyhalo $C_{1-3}$ alkylthio;  $C_{1-4}$ alkyloxycarbonyl;  $C_{1-4}$ alkylcarbonyloxy;  $C_{1-4}$ alkylcarbonyl; polyhalo $C_{1-4}$ alkylcarbonyl; nitro; cyano; carboxyl;  $NR^{10}R^{11}$ ;  $C(=O)NR^{10}R^{11}$ ;  $-NR^5-C(=O)-NR^{10}R^{11}$ ;  $-NR^5-C(=O)-R^5$ ;  $-S(=O)_{n1}-R^{12}$ ;  $-NR^5-S(=O)_{n1}-R^{12}$ ;  $-S-CN$ ; or  $-NR^5-CN$ ;

$R^5$  represents hydrogen;  $C_{1-4}$ alkyl or  $C_{2-4}$ alkenyl;

$R^6$  and  $R^7$  each independently represent hydrogen; cyano;  $C_{1-6}$ alkylcarbonyl optionally substituted with  $C_{1-4}$ alkyloxy or carboxyl;  $C_{1-6}$ alkyloxycarbonyl;  $C_{3-7}$ cycloalkylcarbonyl; adamantanylcabonyl;  $C_{1-4}$ alkyloxy $C_{1-4}$ alkyl;  $C_{1-4}$ alkyl substituted with  $C_{1-4}$ alkyl- $NR^5$ -;  $C_{1-6}$ alkyl optionally substituted with at least one substituent selected from halo, hydroxy, cyano, carboxyl,  $C_{1-4}$ alkyloxy, polyhalo-

$C_{1-4}$ alkyl,  $C_{1-4}$ alkyloxy $C_{1-4}$ alkyloxy,  $NR^{6a}R^{7a}$ ,  $C(=O)NR^{6a}R^{7a}$  or ; with  $X_4$  representing O,  $CH_2$ ,  $CHOH$ ,  $CH-N(R^5)_2$ ,  $NR^5$  or  $N-C(=O)-C_{1-4}$ alkyl;

$R^{6a}$  and  $R^{7a}$  each independently represent hydrogen;  $C_{1-4}$ alkyl;  $C_{1-4}$ alkylcarbonyl or a 5- or 6-membered monocyclic heterocycle containing at least one heteroatom selected from O, S or N;

$R^{6b}$  and  $R^{7b}$  each independently represent hydrogen; cyano;  $C_{1-6}$ alkylcarbonyl optionally substituted with  $C_{1-4}$ alkyloxy or carboxyl;  $C_{1-6}$ alkyloxycarbonyl;  $C_{3-7}$ cycloalkylcarbonyl; adamantanylcabonyl;  $C_{1-4}$ alkyloxy $C_{1-4}$ alkyl;  $C_{1-4}$ alkyl substituted with  $C_{1-4}$ alkyl- $NR^5$ -;  $C_{1-6}$ alkyl optionally substituted with at least one substituent selected from halo, hydroxy, cyano, carboxyl,  $C_{1-4}$ alkyloxy, polyhalo $C_{1-4}$ alkyl,  $C_{1-4}$ alkyloxy- $C_{1-4}$ alkyloxy,  $NR^{6c}R^{7c}$  or  $C(=O)NR^{6c}R^{7c}$ ;

$R^{6c}$  and  $R^{7c}$  each independently represent hydrogen;  $C_{1-4}$ alkyl or  $C_{1-4}$ alkylcarbonyl;

$R^8$  represents  $C_{1-4}$ alkyl optionally substituted with hydroxy; polyhalo $C_{1-4}$ alkyl or  $NR^{6R^7}$ ;

$R^{8a}$  represents  $C_{1-4}$ alkyl optionally substituted with hydroxy; polyhalo $C_{1-4}$ alkyl or  $NR^{6b}R^{7b}$ ;

$R^9$  represents halo; hydroxy;  $C_{1-6}$ alkyl optionally substituted with at least one substituent selected from hydroxy, cyano, carboxyl,  $C_{1-4}$ alkyloxy,  $C_{1-4}$ alkylcarbonyl,  $C_{1-4}$ alkyloxycarbonyl,  $C_{1-4}$ alkylcarbonyloxy,  $NR^{6R^7}$ ,  $-C(=O)-NR^{6R^7}$ ,  $-NR^5-C(=O)-NR^{6R^7}$ ,  $-S(=O)_{n1}-R^8$  or  $-NR^5-S(=O)_{n1}-R^8$ ;  $C_{2-6}$ alkenyl or  $C_{2-6}$ alkynyl, each optionally substituted with at least one substituent selected from hydroxy, cyano, carboxyl,  $C_{1-4}$ alkyloxy,  $C_{1-4}$ alkylcarbonyl,  $C_{1-4}$ alkyloxycarbonyl,  $C_{1-4}$ alkylcarbonyloxy,  $NR^{6R^7}$ ,  $-C(=O)-NR^{6R^7}$ ,  $-NR^5-C(=O)-NR^{6R^7}$ ,  $-S(=O)_{n1}-R^8$  or  $-NR^5-S(=O)_{n1}-R^8$ ; polyhalo $C_{1-6}$ alkyl;  $C_{1-6}$ alkyloxy optionally substituted with carboxyl; polyhalo $C_{1-6}$ alkyloxy;  $C_{1-6}$ alkylthio; polyhalo $C_{1-6}$ alkylthio;  $C_{1-6}$ alkyloxycarbonyl;  $C_{1-6}$ alkylcarbonyloxy;  $C_{1-6}$ alkylcarbonyl; cyano; carboxyl;  $NR^{6R^7}$ ;  $C(=O)NR^{6R^7}$ ;  $-NR^5-C(=O)-NR^{6R^7}$ ;  $-NR^5-C(=O)-R^5$ ;  $-S(=O)_{n1}-R^8$ ;  $-NR^5-S(=O)_{n1}-R^8$ ;  $-S-CN$ ; or  $-NR^5-CN$ ;

$R^{10}$  and  $R^{11}$  each independently represent hydrogen;  $C_{1-6}$ alkyl; cyano;

$C_{1-6}$ alkylcarbonyl;  $C_{1-4}$ alkyloxy $C_{1-4}$ alkyl; or  $C_{1-4}$ alkyl substituted with  $C_{1-4}$ alkyl- $NR^5$ -;

$R^{12}$  represents  $C_{1-4}$ alkyl or  $NR^{10}R^{11}$ ;

$n_1$  represents an integer with value 1 or 2;

aryl represents phenyl or phenyl substituted with at least one substituent selected from halo,  $C_{1-6}$ alkyl,  $C_{3-7}$ cycloalkyl,  $C_{1-6}$ alkyloxy, cyano, nitro, polyhalo $C_{1-6}$ alkyl or polyhalo $C_{1-6}$ alkyloxy.

2. (Previously Presented) The compound according to claim 1 wherein

X represents a direct bond;  $-(CH_2)_{n_3}-$  or  $-(CH_2)_{n_4}-X_a-X_b-$ ;

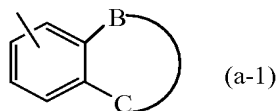
with  $n_3$  representing an integer with value 1, 2, 3 or 4;

with  $n_4$  representing an integer with value 1 or 2;

with  $X_a$  representing O or  $NR^5$ ; and

with  $X_b$  representing a direct bond or  $C_{1-2}$ alkyl;

$R^2$  represents  $C_{3-7}$ cycloalkyl; phenyl or a 4, 5, 6- or 7-membered monocyclic heterocycle containing at least one heteroatom selected from O, S or N; or a radical of formula



wherein  $-B-C-$  represents a bivalent radical of formula

$-CH_2-CH_2-CH_2-$  (b-1);

$-CH_2-CH_2-CH_2-CH_2-$  (b-2);

$-X_1-CH_2-CH_2-(CH_2)_n-$  (b-3);

$-X_1-CH_2-(CH_2)_n-X_1-$  (b-4);

$-X_1-(CH_2)_{n'}-CH=CH-$  (b-5);

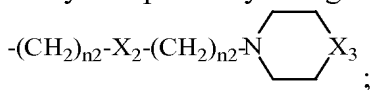
with  $X_1$  representing O or  $NR^5$ ;

n representing an integer with value 0, 1, 2 or 3;

$n'$  representing an integer with value 0 or 1;

wherein said  $R^2$  substituent, where possible, may optionally be substituted with at least one substituent selected from halo; hydroxy;  $C_{1-6}$ alkyl optionally substituted with at least one substituent selected from hydroxy, cyano, carboxyl,  $C_{1-4}$ alkyloxy,  $C_{1-4}$ alkylcarbonyl,  $C_{1-4}$ alkyloxycarbonyl,  $C_{1-4}$ alkylcarbonyloxy,  $NR^6R^7$ ,  $-C(=O)-NR^6R^7$ ,  $-NR^5-C(=O)-NR^6R^7$ ,  $-S(=O)_{n_1}-R^8$  or  $-NR^5-S(=O)_{n_1}-R^8$ ;  $C_{2-6}$ alkenyl or  $C_{2-6}$ alkynyl, each optionally substituted with at least one substituent selected from hydroxy, cyano, carboxyl,  $C_{1-4}$ alkyloxy,  $C_{1-4}$ alkylcarbonyl,  $C_{1-4}$ alkyloxycarbonyl,  $C_{1-4}$ alkylcarbonyloxy,  $NR^6R^7$ ,  $-C(=O)-NR^6R^7$ ,  $-NR^5-C(=O)-NR^6R^7$ ,  $-S(=O)_{n_1}-R^8$  or  $-NR^5-S(=O)_{n_1}-R^8$ ; polyhalo $C_{1-6}$ alkyl;  $C_{1-6}$ alkyloxy optionally substituted with carboxyl;

polyhaloC<sub>1-6</sub>alkyloxy; C<sub>1-6</sub>alkylthio; polyhaloC<sub>1-6</sub>alkylthio;  
C<sub>1-6</sub>alkyloxycarbonyl; C<sub>1-6</sub>alkylcarbonyloxy; C<sub>1-6</sub>alkylcarbonyl;  
polyhaloC<sub>1-6</sub>alkylcarbonyl; cyano; carboxyl; NR<sup>6</sup>R<sup>7</sup>; C(=O)NR<sup>6</sup>R<sup>7</sup>; -NR<sup>5</sup>-C(=O)-NR<sup>6</sup>R<sup>7</sup>;  
-NR<sup>5</sup>-C(=O)-R<sup>5</sup>; -S(=O)<sub>n1</sub>-R<sup>8</sup>; -NR<sup>5</sup>-S(=O)<sub>n1</sub>-R<sup>8</sup>;  
-S-CN; -NR<sup>5</sup>-CN; aryloxy; arylthio; arylcarbonyl; arylC<sub>1-4</sub>alkyl; arylC<sub>1-4</sub>alkyloxy; a 5-or  
6-membered monocyclic heterocycle containing at least one heteroatom selected from O,  
S or N and said 5-or 6-membered monocyclic heterocycle optionally being substituted

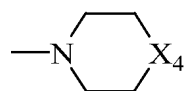
with at least one substituent selected from R<sup>9</sup>; or ;  
with n<sub>2</sub> representing an integer with value 0, 1, 2, 3 or 4;  
with X<sub>2</sub> representing O, NR<sup>5</sup> or a direct bond;  
with X<sub>3</sub> representing O or NR<sup>5</sup>;

R<sup>3</sup> represents halo; hydroxy; C<sub>1-6</sub>alkyl optionally substituted with at least one substituent  
selected from hydroxy, cyano, carboxyl, C<sub>1-4</sub>alkyloxy, C<sub>1-4</sub>alkylcarbonyl, C<sub>1-4</sub>  
alkyloxycarbonyl, C<sub>1-4</sub>alkylcarbonyloxy, NR<sup>6b</sup>R<sup>7b</sup>, -C(=O)-NR<sup>6b</sup>R<sup>7b</sup>,  
-NR<sup>5</sup>-C(=O)-NR<sup>6b</sup>R<sup>7b</sup>, -S(=O)<sub>n1</sub>-R<sup>8a</sup> or -NR<sup>5</sup>-S(=O)<sub>n1</sub>-R<sup>8a</sup>; C<sub>2-6</sub>alkenyl or C<sub>2-6</sub>alkynyl, each  
optionally substituted with at least one substituent selected from hydroxy, cyano, carboxyl,  
C<sub>1-4</sub>alkyloxy, C<sub>1-4</sub>alkylcarbonyl, C<sub>1-4</sub>alkyloxycarbonyl,  
C<sub>1-4</sub>alkylcarbonyloxy, NR<sup>6b</sup>R<sup>7b</sup>, -C(=O)-NR<sup>6b</sup>R<sup>7b</sup>, -NR<sup>5</sup>-C(=O)-NR<sup>6b</sup>R<sup>7b</sup>,  
-S(=O)<sub>n1</sub>-R<sup>8a</sup> or -NR<sup>5</sup>-S(=O)<sub>n1</sub>-R<sup>8a</sup>; polyhaloC<sub>1-6</sub>alkyl; C<sub>1-6</sub>alkyloxy optionally substituted  
with carboxyl; polyhaloC<sub>1-6</sub>alkyloxy; C<sub>1-6</sub>alkylthio; polyhaloC<sub>1-6</sub>alkylthio; C<sub>1-6</sub>  
alkyloxycarbonyl; C<sub>1-6</sub>alkylcarbonyloxy; C<sub>1-6</sub>alkyl-  
carbonyl; polyhaloC<sub>1-6</sub>alkylcarbonyl; nitro; cyano; carboxyl; NR<sup>6b</sup>R<sup>7b</sup>; C(=O)NR<sup>6b</sup>R<sup>7b</sup>;  
-NR<sup>5</sup>-C(=O)-NR<sup>6b</sup>R<sup>7b</sup>; -NR<sup>5</sup>-C(=O)-R<sup>5</sup>; -S(=O)<sub>n1</sub>-R<sup>8a</sup>;  
-NR<sup>5</sup>-S(=O)<sub>n1</sub>-R<sup>8a</sup>; -S-CN; or -NR<sup>5</sup>-CN;

R<sup>5</sup> represents hydrogen or C<sub>1-4</sub>alkyl;

R<sup>6</sup> and R<sup>7</sup> each independently represent hydrogen; cyano; C<sub>1-6</sub>alkylcarbonyl;

C<sub>1-4</sub>alkyloxyC<sub>1-4</sub>alkyl; C<sub>1-4</sub>alkyl substituted with C<sub>1-4</sub>alkyl-NR<sup>5</sup>-; C<sub>1-6</sub>alkyl optionally  
substituted with hydroxy, C<sub>1-4</sub>alkyloxy, C<sub>1-4</sub>alkyloxyC<sub>1-4</sub>alkyloxy, NR<sup>6a</sup>R<sup>7a</sup>, C(=O)NR<sup>6a</sup>R<sup>7a</sup>

or ;  
with X<sub>4</sub> representing O or NR<sup>5</sup>;

R<sup>6a</sup> and R<sup>7a</sup> each independently represent hydrogen; C<sub>1-4</sub>alkyl; C<sub>1-4</sub>alkylcarbonyl or a 5- or 6-  
membered monocyclic heterocycle containing at least one heteroatom selected from O, S  
or N;

R<sup>6b</sup> and R<sup>7b</sup> each independently represent hydrogen; cyano; C<sub>1-6</sub>alkylcarbonyl; C<sub>1-4</sub>alkyloxyC<sub>1-4</sub>alkyl; C<sub>1-4</sub>alkyl substituted with C<sub>1-4</sub>alkyl-NR<sup>5</sup>-; C<sub>1-6</sub>alkyl optionally substituted with hydroxy, C<sub>1-4</sub>alkyloxy, C<sub>1-4</sub>alkyloxyC<sub>1-4</sub>alkyloxy, NR<sup>6a</sup>R<sup>7a</sup> or C(=O)NR<sup>6a</sup>R<sup>7a</sup>;  
R<sup>8</sup> represents C<sub>1-4</sub>alkyl, polyhaloC<sub>1-4</sub>alkyl or NR<sup>6</sup>R<sup>7</sup>;  
R<sup>8a</sup> represents C<sub>1-4</sub>alkyl, polyhaloC<sub>1-4</sub>alkyl or NR<sup>6b</sup>R<sup>7b</sup>.

3. (Previously Presented) The compound according to claim 1 wherein R<sup>1</sup> represents hydrogen; X represents a direct bond or -(CH<sub>2</sub>)<sub>n3</sub>-; R<sup>2</sup> represents phenyl or a radical of formula (b-4), wherein said R<sup>2</sup> may optionally be substituted with at least one substituent, in particular 1, 2 or 3 substituents, selected from halo; C<sub>1-6</sub>alkyl optionally substituted with at least one substituent selected from hydroxy, cyano, carboxyl, NR<sup>6</sup>R<sup>7</sup>, C(=O)NR<sup>6</sup>R<sup>7</sup>, C<sub>1-4</sub>alkyloxy or C<sub>1-4</sub>alkyloxyC<sub>1-4</sub>alkyloxy; C<sub>1-6</sub>alkyloxy; C<sub>1-6</sub>alkyloxycarbonyl; C<sub>1-4</sub>alkyloxyC<sub>1-6</sub>alkyloxy; cyano; carboxyl; C(=O)NR<sup>6</sup>R<sup>7</sup>; -S(=O)<sub>n1</sub>-R<sup>8</sup>; arylC<sub>1-4</sub>alkyloxy; or a 5-or 6-membered heterocycle containing at least one heteroatom selected from O, S or N and said 5-or 6-membered heterocycle optionally being substituted with at least one substituent selected from R<sup>9</sup>; R<sup>3</sup> represents halo; hydroxy; C<sub>1-6</sub>alkyl optionally substituted with at least one substituent selected from hydroxy, cyano, carboxyl, C<sub>1-4</sub>alkyloxy, NR<sup>6b</sup>R<sup>7b</sup> or C(=O)NR<sup>6b</sup>R<sup>7b</sup>;  
C<sub>2-6</sub>alkenyl optionally substituted with at least one substituent selected from carboxyl or C<sub>1-4</sub>alkyl-oxycarbonyl; polyhaloC<sub>1-6</sub>alkyloxy; C<sub>1-6</sub>alkyloxy optionally substituted with C<sub>1-4</sub>alkyloxy; C<sub>1-6</sub>alkylthio; C<sub>1-6</sub>alkyloxycarbonyl; C<sub>1-6</sub>alkylcarbonyl; cyano; carboxyl; NR<sup>6b</sup>R<sup>7b</sup>; C(=O)NR<sup>6b</sup>R<sup>7b</sup>; -NR<sup>5</sup>-C(=O)-R<sup>5</sup>; -S(=O)<sub>n1</sub>-R<sup>8</sup>; -NR<sup>5</sup>-S(=O)<sub>n1</sub>-R<sup>8</sup>; or -S-CN;  
R<sup>4</sup> represents hydrogen; halo; C<sub>1-6</sub>alkyl; cyano; hydroxy; C<sub>1-6</sub>alkyloxycarbonyl; C<sub>1-6</sub>alkyloxy; carboxyl; or NR<sup>6</sup>R<sup>7</sup>.

4. (Previously Presented) The compound according to claim 1 wherein R<sup>1</sup> represents hydrogen; X represents a direct bond; R<sup>2</sup> represents phenyl wherein said R<sup>2</sup> may optionally be substituted with at least one substituent, in particular 1, 2 or 3 substituents, selected from halo; C<sub>1-6</sub>alkyl substituted with one substituent selected from hydroxy, cyano, NR<sup>6</sup>R<sup>7</sup>, C(=O)NR<sup>6</sup>R<sup>7</sup>, C<sub>1-4</sub>alkyloxy or C<sub>1-4</sub>alkyloxyC<sub>1-4</sub>alkyloxy; C<sub>1-6</sub>alkyloxy; C<sub>1-6</sub>alkyloxycarbonyl; C<sub>1-4</sub>alkyloxyC<sub>1-6</sub>alkyloxy; C(=O)NR<sup>6</sup>R<sup>7</sup>;  
-S(=O)<sub>n1</sub>-R<sup>8</sup>; or a 5-or 6-membered heterocycle containing at least one heteroatom selected from O, S or N and said 5-or 6-membered heterocycle optionally being substituted with at least one substituent selected from R<sup>9</sup>; R<sup>3</sup> represents halo; hydroxy; C<sub>1-6</sub>alkyl optionally

substituted with at least one substituent selected from hydroxy, cyano, carboxyl, C<sub>1-4</sub>alkyloxy, NR<sup>6b</sup>R<sup>7b</sup> or C(=O)NR<sup>6b</sup>R<sup>7b</sup>; C<sub>2-6</sub>alkenyl optionally substituted with at least one substituent selected from carboxyl or C<sub>1-4</sub>alkyloxycarbonyl; polyhaloC<sub>1-6</sub>alkyloxy; C<sub>1-6</sub>alkyloxy optionally substituted with C<sub>1-4</sub>alkyloxy or NR<sup>6b</sup>R<sup>7b</sup>; C<sub>1-6</sub>alkylthio; C<sub>1-6</sub>alkyloxycarbonyl; C<sub>1-6</sub>alkylcarbonyl; cyano; carboxyl; NR<sup>6b</sup>R<sup>7b</sup>; C(=O)NR<sup>6b</sup>R<sup>7b</sup>; -S(=O)<sub>n1</sub>-R<sup>8</sup>; -NR<sup>5</sup>-C(=O)-R<sup>5</sup>; or -NR<sup>5</sup>-S(=O)<sub>n1</sub>-R<sup>8</sup>; R<sup>4</sup> represents hydrogen; halo; C<sub>1-6</sub>alkyl; hydroxy; C<sub>1-6</sub>alkyloxycarbonyl; C<sub>1-6</sub>alkyloxy; carboxyl; or NR<sup>6</sup>R<sup>7</sup>.

5. (Previously Presented) The compound according to claim 1 wherein the R<sup>3</sup> substituent is linked to ring A in meta position compared to the NR<sup>1</sup> linker.

6. (Previously Presented) The compound according to claim 1 wherein the R<sup>3</sup> substituent is linked to ring A in para position compared to the NR<sup>1</sup> linker.

7. (Previously Presented) The compound according to claim 1 wherein R<sup>3</sup> represents NR<sup>6b</sup>R<sup>7b</sup>.

8. (Previously Presented) The compound according to claim 1 wherein X represents a direct bond.

9. (Previously Presented) The compound according to claim 1 wherein R<sup>2</sup> represents C<sub>3-7</sub>cycloalkyl; phenyl; a 4, 5, 6- or 7-membered monocyclic heterocycle containing at least one heteroatom selected from O, S or N; benzoxazolyl or a radical of formula (a-1) wherein said R<sup>2</sup> substituent is substituted with at least one substituent selected from C<sub>1-6</sub>alkyl substituted with NR<sup>6</sup>R<sup>7</sup>; C<sub>2-6</sub>alkenyl or C<sub>2-6</sub>alkynyl, each substituted with NR<sup>6</sup>R<sup>7</sup>; polyhaloC<sub>1-6</sub>alkyl substituted with NR<sup>6</sup>R<sup>7</sup>; C<sub>1-6</sub>alkyloxy substituted with NR<sup>6</sup>R<sup>7</sup>; polyhaloC<sub>1-6</sub>alkyloxy substituted with NR<sup>6</sup>R<sup>7</sup>; or NR<sup>6</sup>R<sup>7</sup>.

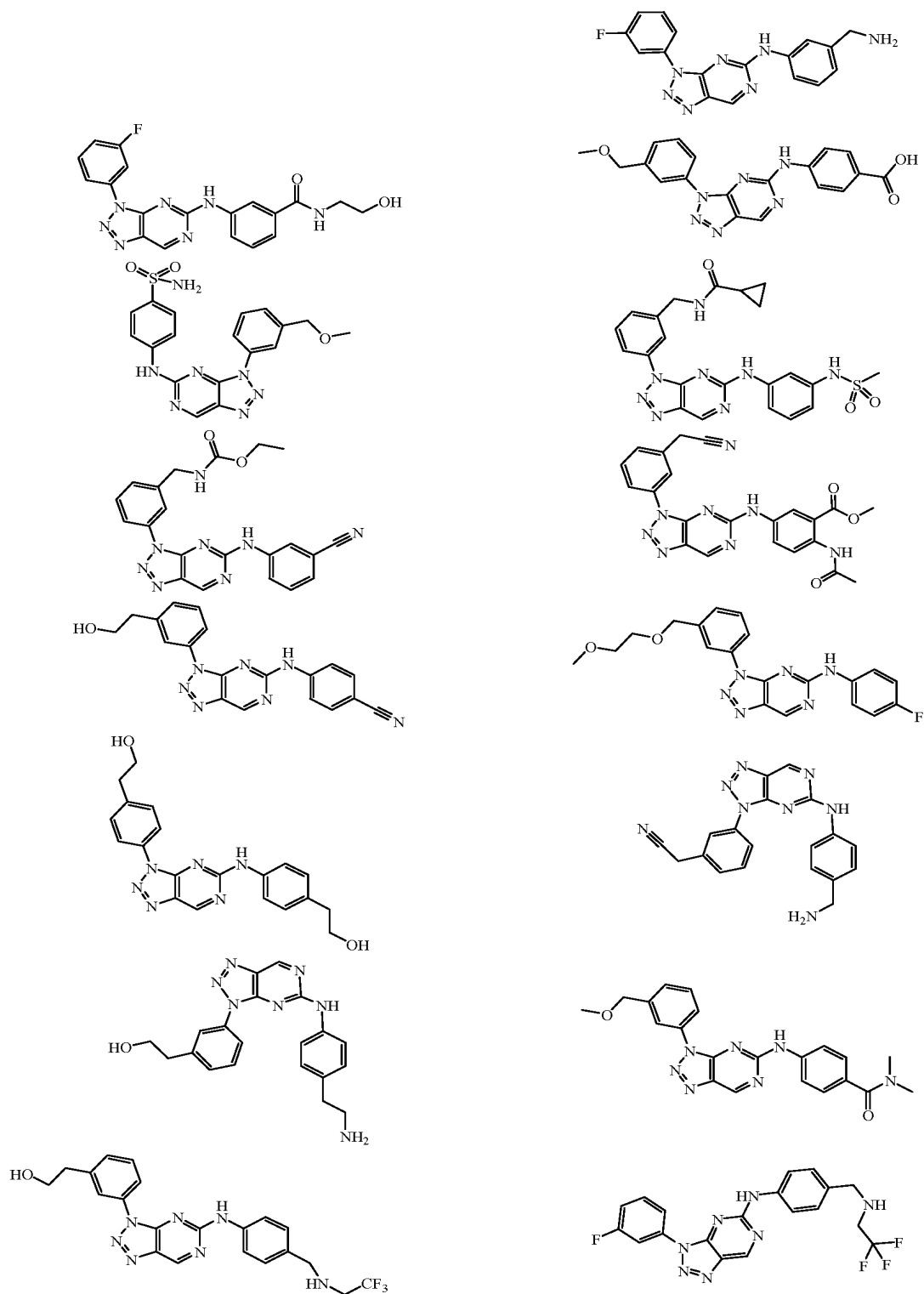
10. (Previously Presented) The compound according to claim 1 wherein R<sup>3</sup> represents C<sub>1-6</sub>alkyl substituted with NR<sup>6b</sup>R<sup>7b</sup>; C<sub>2-6</sub>alkenyl or C<sub>2-6</sub>alkynyl, each substituted with NR<sup>6b</sup>R<sup>7b</sup>; polyhaloC<sub>1-6</sub>alkyl substituted with NR<sup>6b</sup>R<sup>7b</sup>; C<sub>1-6</sub>alkyloxy substituted with NR<sup>6b</sup>R<sup>7b</sup>; polyhaloC<sub>1-6</sub>alkyloxy substituted with NR<sup>6b</sup>R<sup>7b</sup>; or NR<sup>6b</sup>R<sup>7b</sup>.



11. (Previously Presented) The compound according to claim 1 wherein  $R^2$  represents  $C_{3-7}$ cycloalkyl; phenyl; a 4, 5, 6- or 7-membered monocyclic heterocycle containing at least one heteroatom selected from O, S or N; benzoxazolyl or a radical of formula (a-1), wherein said  $R^2$  substituent is substituted with at least one substituent selected from halo; polyhalo $C_{1-6}$ alkyl optionally substituted with at least one substituent selected from hydroxy, cyano, carboxyl,  $C_{1-4}$ alkyloxy,  $C_{1-4}$ alkyloxy- $C_{1-4}$ alkyloxy,  $C_{1-4}$ alkylcarbonyl,  $C_{1-4}$ alkyloxycarbonyl,  $C_{1-4}$ alkylcarbonyloxy,  $NR^6R^7$ ,  $-C(=O)-NR^6R^7$ ,  $-NR^5-C(=O)-NR^6R^7$ ,  $-S(=O)_{n1}-R^8$  or  $-NR^5-S(=O)_{n1}-R^8$ ; polyhalo- $C_{1-6}$ alkyloxy optionally substituted with at least one substituent selected from hydroxy, cyano, carboxyl,  $C_{1-4}$ alkyloxy,  $C_{1-4}$ alkyloxy $C_{1-4}$ alkyloxy,  $C_{1-4}$ alkylcarbonyl,  $C_{1-4}$ alkyloxycarbonyl,  $C_{1-4}$ alkylcarbonyloxy,  $NR^6R^7$ ,  $-C(=O)-NR^6R^7$ ,  $-NR^5-C(=O)-NR^6R^7$ ,  $-S(=O)_{n1}-R^8$  or  $-NR^5-S(=O)_{n1}-R^8$ .

12. (Previously Presented) The compound according to claim 1 wherein the compound is selected from the group consisting of

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37 CFR § 1.116**



a pharmaceutically acceptable addition salt, a quaternary amine or a stereochemically isomeric form thereof.

13. (Previously presented) A pharmaceutical composition comprising a pharmaceutically acceptable carrier and the compound of claim 1.

14. (Canceled)

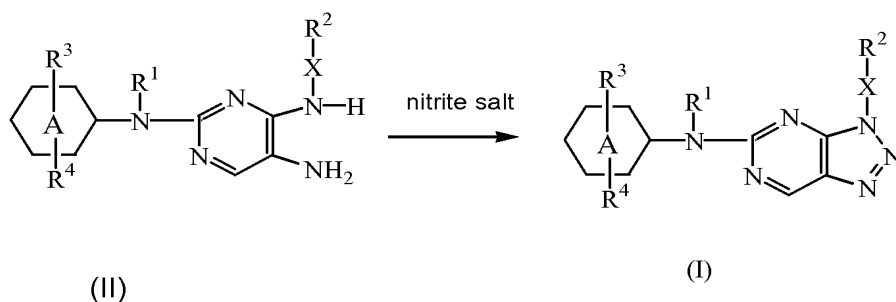
15. (Canceled)

16. (Canceled)

17. (Currently Amended) A pharmaceutical composition comprising a pharmaceutically acceptable carrier and as active ingredient ~~a therapeutically effective amount of~~ a compound as claimed in claim 1.

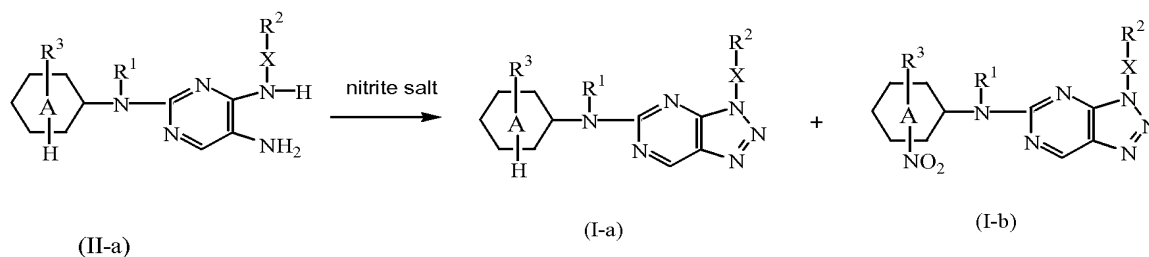
18. (Currently Amended) A process for preparing a pharmaceutical composition comprising intimately mixing ~~a therapeutically effective amount of~~ a compound as claimed in claim 1 with a pharmaceutically acceptable carrier.

19. (Currently Amended) A process for preparing a compound as claimed in claim 1, comprising  
a) cyclizing an intermediate of formula (II) in the presence of a nitrite salt, a suitable solvent, and a suitable acid,



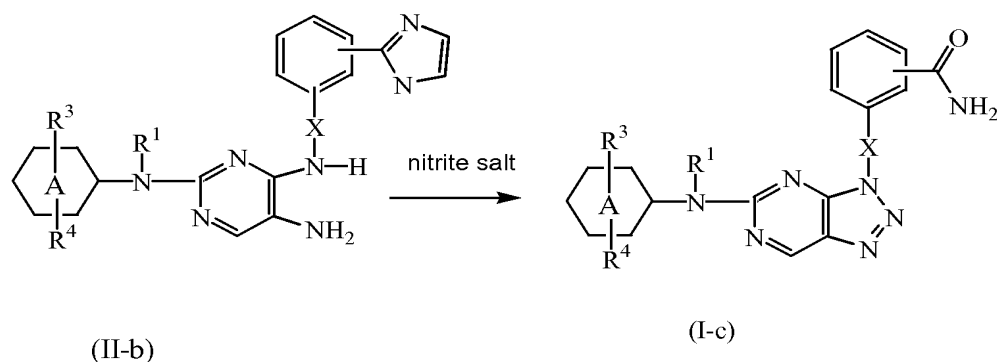
wherein ring A, R<sup>1</sup> to R<sup>4</sup> and X are as defined in claim 1;

b) cyclizing an intermediate of formula (II-a) in the presence of a nitrite salt, a suitable solvent, and a suitable acid,



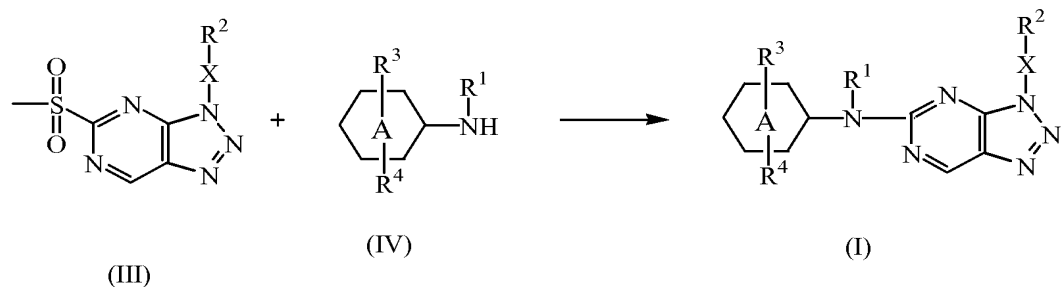
wherein ring A,  $R^1$  to  $R^3$  and X are as defined in claim 1;

c) cyclizing an intermediate of formula (II-b) in the presence of a nitrite salt, a suitable solvent, and a suitable acid,



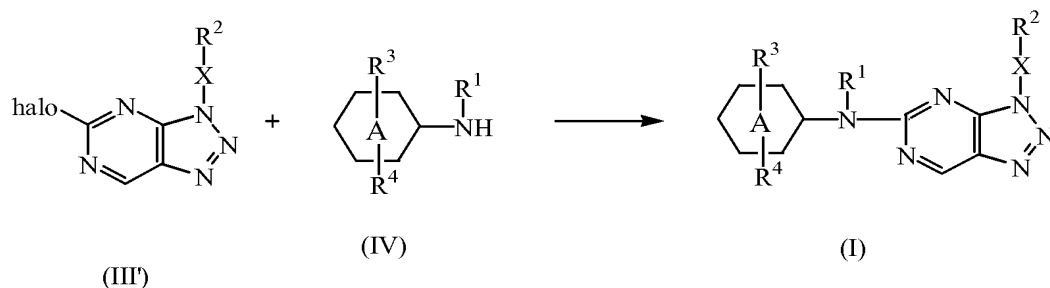
wherein ring A,  $R^1$ ,  $R^3$ ,  $R^4$  and X are as defined in claim 1;

d) reacting an intermediate of formula (III) with an intermediate of formula (IV) in the presence of a suitable solvent,



wherein ring A,  $R^1$  to  $R^4$  and X are as defined in claim 1;

e) reacting an intermediate of formula (III') with an intermediate of formula (IV) in the presence of a suitable solvent, and optionally in the presence of a suitable base,



or, optionally, converting compounds of formula (I) into each other following art-known transformations, and further, if desired, converting the compounds of formula (I), into a therapeutically active non-toxic acid addition salt by treatment with an acid, or into a therapeutically active non-toxic base addition salt by treatment with a base, or conversely, converting the acid addition salt form into the free base by treatment with alkali, or converting the base addition salt into the free acid by treatment with acid; and, optionally, preparing stereochemically isomeric forms, or quaternary amine forms thereof.